

**AMENDMENTS TO THE SPECIFICATION**

On page 9, lines 8-20, please replace the original paragraph with the following amended paragraph:

Referring to Fig. 3, a diagrammatical view of a parameter cable 12A, is depicted. A memory device 14A is disposed in a memory support 13A that is disposed in a sensor connector 32 instead of the adapter 22A. It should be noted that the memory device 14 or 14A may be stored at any point along a parameter cable 12 or 12A, including in or on the trunk cable itself, or in the one or more sensors 20 (whether the sensors 20 or part of the parameter cable or not). It should be stressed that the present technique contemplates a wide range of configurations. For example, a memory device may be disposed in a memory support component installed on the parameter cable 12. Additionally, one or more memory devices may be disposed in a station adapter, sensor adapter, and/or memory support component. In general, the array of configurations contemplated by the present technique include, for example, parameter cables 12 having one or more combinations of memory devices, station adapters, sensor adapters, memory supports, sensors, and so forth.

On page 9, lines 22-30, please replace the original paragraph with the following amended paragraph:

Referring to Fig. 4, a diagrammatical view of an exemplary parameter cable adapter 22 used to connect the parameter cable 12 (Fig 1) to a monitoring station 16 (Fig 1), is depicted. A memory device 14, such as a 1-wire memory chip, is disposed within a memory support 13 disposed in the adapter 22; the adapter 22 having a body 34, interface 36, and pins 38. It should be noted that a variety of adapters 22 having different geometries and components may be used to connect the parameter cable 12 to a patient monitor station 16. In this illustrative embodiment, a single wire 40 connects the memory

device 14 to one or more of the pins 38. The memory device 14 in this example is a 4096-bit 1-wire memory chip manufactured by Dallas Semiconductor (model DS2433).